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- Setlur, A.A., see Dai, J.Y. 258 (1996) 547
- Shankland, K., see Knight, K.S. 258 (1996) 490
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- Sherwood, C.R. and R.E. Continetti, Dissociative photodetachment dynamics of $O_2^- \cdot (H_2O)$ 258 (1996) 171
- Shigemoto, I., see Nakano, M. 258 (1996) 307
- Shin, D.N., Y.S. Yoo, C.W. Park, J.W. Hahn and K. Song, Kinetic study for the unimolecular dissociation of CF_3H : RRKM and PST calculations on an ab initio potential energy surface 258 (1996) 613
- Shin, H.K., see Ree, J. 258 (1996) 239
- Shokhirev, N.V., see Kruppa, A.I. 258 (1996) 316
- Smith, D., see Španěl, P. 258 (1996) 477
- Snoek, L.C., S.G. Clement, F.J.M. Harren and W.J. van der Zande, Femtosecond interferometric photoacoustic spectroscopy using incoherent light 258 (1996) 460
- Soldán, P. and B.I. Zhilinskii, Density of vibrational states of a given symmetry type for octahedral AB_6 molecules 258 (1996) 25
- Soldatov, A., see Persson, P.-A. 258 (1996) 540
- Song, J.-B. and E.A. Gislason, A scaling law for angular distributions for chemical reactions 258 (1996) 260
- Song, K., see Shin, D.N. 258 (1996) 613
- Španěl, P. and D. Smith, Radiation from the reactions of NO^+ with Cl^- and I^- 258 (1996) 477
- Spence, T.G., see Burns, T.D. 258 (1996) 669
- Stärck, J. and W. Meyer, The ground state potential of the beryllium dimer 258 (1996) 421
- Steinberger, I.T. and R. Reininger, Comment on "Effective mass of an excess electron in fluids with high polarizability" 258 (1996) 680
- Stert, V., see Radloff, W. 258 (1996) 507
- Strain, M.C., see Burant, J.C. 258 (1996) 45
- Su, K., X. Hu, X. Li, Y. Wang and Z. Wen, High-level ab initio calculation and assessment of the dissociation and ionization energies of NH_2 and NH_3 neutrals or cations 258 (1996) 431
- Sundqvist, B., see Persson, P.-A. 258 (1996) 540
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- Szalay, P.G., see Füsti-Molnár, L. 258 (1996) 400
- Takasu, R., K. Hashimoto and K. Fuke, Study on microscopic solvation process of Li atom in ammonia clusters: photoionization and photoelectron spectroscopies of $M(NH_3)_n$ ($M = Li, Li^+$) 258 (1996) 94
- Tang, A.C. and F.Q. Huang, Electronic structures and stability rules of tetrahedral fullerenes 258 (1996) 562
- Taraban, M.B., see Kruppa, A.I. 258 (1996) 316
- Terentis, A.C. and S.H. Kable, Near threshold dynamics and dissociation energy of the reaction $H_2CO \rightarrow HCO + H$ 258 (1996) 626

- Thamm, J., S. Wolff, W.V. Turner, S. Gäb, W. Thomas, F. Zabel, E.H. Fink and K.H. Becker, Proof of the formation of hydroperoxymethyl formate in the ozonolysis of ethene: synthesis and FT-IR spectra of the authentic compound 258 (1996) 155
- Thomas, W., see Thamm, J. 258 (1996) 155
- Tittelbach-Helmrich, D., see Phillips, D.L. 258 (1996) 87
- Tokumura, K., M. Kurauchi, N. Yagata and M. Itoh, Phototautomerization of 3-hydroxy-flavone in the lowest triplet state 258 (1996) 495
- Trommsdorff, H.P., see Johnson, M.R. 258 (1996) 187
- Turner, W.V., see Thamm, J. 258 (1996) 155
- Ushida, K., see Nakayama, T. 258 (1996) 663
- Valachovic, L., C. Riehn, K. Mikhaylichenko and C. Wittig, Vibronic interactions in NO_3 : from the $^2\text{E}'$ origin region to the $\text{NO} + \text{O}_2$ reactive channel 258 (1996) 644
- Van der Zande, W.J., see Snoek, L.C. 258 (1996) 460
- Van Kleef, E.H., see Alagia, M. 258 (1996) 323
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- Verhoeven, J.W., see Phillips, D.L. 258 (1996) 87
- Vidya, V., K. Sankaran and K.S. Viswanathan, Matrix isolation-supersonic jet infrared spectroscopy: conformational cooling in trimethyl phosphate 258 (1996) 113
- Viefhaus, J., see Menzel, A. 258 (1996) 265
- Viswanathan, K.S., see Vidya, V. 258 (1996) 113
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- Wang, Y.A., see Yang, Z.-Z. 258 (1996) 30
- Watts, J.D. and R.J. Bartlett, Iterative and non-iterative triple excitation corrections in coupled-cluster methods for excited electronic states: the EOM-CCSDT-3 and EOM-CCSD(\bar{T}) methods 258 (1996) 581
- Wen, Z., see Su, K. 258 (1996) 431
- Wenthold, P.G., R.F. Gunion and W.C. Lineberger, Ultraviolet negative-ion photoelectron spectroscopy of the chromium oxide negative ion 258 (1996) 101
- Weyers, K., see Radloff, W. 258 (1996) 507
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- Woolley, P.S., B.J. Keely and R.E. Hester, Surface-enhanced resonance Raman spectra of water-insoluble tetraphenylporphyrin and chlorophyll *a* on silver hydrosols with a dioxane molecular spacer 258 (1996) 501

- Wright, J.S., see Matusek, D.R. 258 (1996) 255
- Wu, R., L.-J. Chen and N. Kioussis, Effects of multilayer relaxation and surface roughness on the electronic properties of Pd/W(110) and Pd/W(001) 258 (1996) 228
- Xiao, M., Evanescent field coupling of dipole to a surface: configurational resonance at long distances 258 (1996) 363
- Ximei, Q., see Dianxun, W. 258 (1996) 149
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- Yang, Z.-Z., S. Liu and Y.A. Wang, Uniqueness and asymptotic behavior of the local kinetic energy 258 (1996) 30
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- Zhilinskii, B.I., see Soldán, P. 258 (1996) 25
- Zhu, C. and H. Nakamura, Two-by-two diabatic approach for multi-channel curve crossing problems 258 (1996) 342
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